Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/04/2016 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124327	-1	2.28	124244	2.27
Blue	F	SSC	125000	124067	-1	4.53	125273	4.37
Blue	E	FITC	17224	16635	-4	3.21	940	8.73
Blue	D	PE	22462	21897	-3	2.83	987	8.13
Blue	B	PerCP-Cy5-5	63940	62377	-3	3.44	1646	13.00
Blue	A	PE-Cy7	72480	70825	-3	4.34	933	23.96
Red	C	APC	63778	63140	-2	2.59	3556	8.23
Red	A	APC-Cy7	97254	97489	0	2.68	1931	7.93
Violet	B	V450	10730	10341	-4	3.58	643	8.69
Violet	A	V500	42147	40786	-4	3.13	2310	6.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19467	3.11	581	-39	N/A	N/A	Pass
Blue	F	SSC	61963	3.31	507	-20	N/A	N/A	Pass
Blue	E	FITC	103	37.06	512	-27	0.0294	392	Pass
Blue	D	PE	204	24.24	507	-25	0.1846	153	Pass
Blue	B	PerCP-Cy5-5	202	39.66	594	-20	0.0118	50	Pass
Blue	A	PE-Cy7	73	93.64	647	-26	0.0162	15	Pass
Red	C	APC	335	25.54	579	-5	0.0204	0	Pass
Red	A	APC-Cy7	121	37.41	562	-3	0.0048	672	Pass
Violet	B	V450	67	50.63	446	-28	0.0445	2893	Pass
Violet	A	V500	150	29.17	475	-28	0.0137	1938	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/04/2016 09:10 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-31.07	0.82
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.29
Red	18.73	12.80 - 19.20	N/A	N/A	31.62	31.78	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9816

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments